Update (table name) set (column name= value) where (id=number)

* UPDATE users set Is\_admin= true where id=2;

AS keyword:

* Select employee\_id as id, employee\_name as name form (table name)

FUNCTION:

* Select \*,

IIF (was\_successful, “No action”, “perform an audit”) As audit

From (table name).

Between:

* Select name, salary form (table name) where salary (between/ not between) 2000 and 6000.

Distinct:

* Select distinct country\_code from users.

Logical:

* Select \* from (table name)

Where (column name= value) (and, or, not) (column name(<=,>=) value);

In operator(or)

* Select \* from ( table name) where country\_code IN(‘us’, ‘ca’, ‘mx);

Like operator

* Select \* from (table name) where product\_name like ‘%banana%s’;

Under score operator

* Select \* from( table name) where name like ‘Al\_\_\_;

Limit operator

* Select \* from (table name) where note like ‘%launch limit 5;

Order by clause

* Select \* form (table name) order by (column name) desc;//by default ascending.

Sum clause

* Select sum (column name) from (table name);

Max clause

* Select max (column name) from (table name);

Min clause:

* Select min (column name) from (table name);

Group by clause:

* Select user\_Id, sum(amount) from(table name) group by user\_id;

Average clause:

* Select avg(age) form users where country\_code=’us’;

Having clause:

* Select sender\_Id, sum(amount) as balance form (table name)

Where note like ‘%lunch%’

Group by sender id

Having balance>20

Order by balance ASC;

Round

* Select round(avg(age)) as rond\_age

From (table name)

Where country code=”US”;

Subqueries

* Select \* from (table name)

Where user\_id=(

Select id form (table name)

Where name=”David”

);

* Select \* form (table name) where age\_In\_days>(40\*365);

Foreign key(one to many relationship)

* Create table users(

Id interger primary key,

Name text not null,

Age integer not null,

Username text not null,

Password text not null,

Is\_admin Boolean

);

* Create table countries(

Id integer primary key,

Country code text,

Name text,

User\_id integer,

Foreign key(country\_code) reference users(id)

);

Inner join(on keyword)

* Select \* from (table name employees)

Inner join (other table name such departments)

On employees.department\_id=departments\_Id;

* Select users.name, users.age, country.name as country\_name

From (users table)

Inner join ( countries table) on countries.code=users.country\_code

Order by country\_name ASC;

Left join

* Select e.name, d.name

From employees e (table name this)

Left join department d (Other table name this)

On e.dapartment\_Id=d.id;

* Select users.name,

Sum(transaction.amount) as sum,

Count(transactions.id) as count

From users (just table name)

Left join transactions

On users.id=transactions.user\_Id;

Group by user\_id

Order by desc;

Update

1. Update student set major=’Bio’ where major=’Biology’;
2. Update student set name=’Tom’, major=’undecided’ where student\_id=1;

Delete

1. Delete from student where student\_id=5;

Basic query:

1. Select student.name, student.major from student order by name desc;
2. Select \* from student order by major, student\_Id desc;
3. Select \* from student limit 2;
4. Select \* from student order by student\_Id by desc limit 2;
5. Select name, major from student where major <> ‘chemistry’;
6. Select \* from student where student\_id<=3 AND name<>’Jack’;
7. Select \* from student where name IN(‘jack’, ‘Kate’, ‘Claire’);